WEST

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Search Results -

Term	Documents
(1 AND 3 AND 2).DWPI.	4
(L1 AND L2 AND L3).DWPI.	4

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L4

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Search History

DATE: Monday, May 12, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=DWPI; PLUR=YES; OP=ADJ			
L4	l1 and l2 and L3	4	L4
L3	alkyl phenol or alkylphenol	7727	L3
L2	insecticide or pesticide or aphidicide	34632	L2
L1	aphid$7	1564	L1

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 12:12:44 ON 12 MAY 2003)

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:12:56 ON 12 MAY 2003

L1	29856	S	TOOSENDANIN OR TOMATINE OR STEMONINE OR NICOTINE OR ANABASINE
L2	1531	S	ANABASINE
L3	53	S	ALOPERINE
L4	7	S	L2 AND L3
L5	2792684	S	COMPOSITION OR FORMULATION
L6	4	S	L4 AND L5
L7	3	S	L4 NOT L6
L8	14155	S	APHID?
L9	187636	S	INSECTICID? OR PESTICID? OR APHIDICID?
L10	34	S	L2 AND L8 AND L9
L11	4	S	L3 AND L8 AND L9

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L4: Entry 2 of 4 File: DWPI May 6, 1969

DERWENT-ACC-NO: 1983-831187
DERWENT-WEEK: 198348

TITLE: Stable insecticidal emulsion compsn. - comprises phenyl-decyl-3-methoxy:propane and alkylphenol-ethylene oxide wetting agent

INVENTOR: MAMEDOV, S H

PRIORITY-DATA: 1967SU-1193820 (October 30, 1967)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 232667 A	May 6, 1969		000	

INT-CL (IPC): A01N 0/00

ABSTRACTED-PUB-NO: SU 232667A
BASIC-ABSTRACT:

The insecticide is an emulsion of 1-phenyl- 1-(decyl)-3 methoxypropane with an alkyl phenol-ethylene oxide wetting agent taken in a 4:1 ratio. This forms a stable emulsion with water which when sprayed in 0.5% soln. gave a 100% kill of rice weevil under laboratory conditions, and a 100% kill of blood aphids on stunted apple trees within three days after spraying. The prepn. does not harm the plant.. Bul.1/11.12.68

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:472725 CAPLUS
DOCUMENT NUMBER: 129:256442
TITLE: Toxicities of alkaloids from Sophora alopecuroides against turnip aphids and effect on several esterases
AUTHOR(S): Luo, Wanchun; Li, Yunshou; Mu, Liyi; Zhao, Shanhuan
CORPORATE SOURCE: Shandong Key Laboratory of Pesticide Toxicology and Applicational Technique, Shandong Agricultural University, Tai'an, 271018, Peop. Rep. China
SOURCE: Kunchong Xuebao (1997), 40(4), 358-365
CODEN: KCHPA2; ISSN: 0454-6296
PUBLISHER: Kexue Chubanshe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

AB The toxicities of 7 quinolizidine alkaloids from Sophora alopecuroids against turnip aphids and their effects on several esterases were studied.

Cytisine was highly effective against the insect, comparable to that of **anabasine** and nicotine. The median lethal concns. of the above 3 alkaloids against the apterous aphid were 432.59, 684.70 and 1090.65 mg/L, resp., after treatment by dipping for 48 h. The activities of some esterases treated with the alkaloids were studied by colorimetry. The alkaloids inhibited the activity of acetylcholinesterase (AChE). The effectiveness of inhibiting AChE was: total alkaloids from the plant >cytisine >sophoramine >sophoradin>sophocarpine >oxymatrine >matrine > **aloperine**. Cytisine and **aloperine** inhibited the activity of .alpha.-NA esterase, .alpha.-NA carboxylesterase and esterase